

## ABSTRACT

Reproduction signals which are simultaneously obtained from an Ach head 3 and a Bch head 4 are time division multiplexed by a signal layout converting circuit 9 and arranged. An HPF unit 12 and an LPF unit 14 of a waveform equalizing circuit 16 are optimally switched on the basis of sync adjustment information such as switching information of the heads. An edge detection pulse width of an edge detecting circuit and an output frequency of a VCO 23 are controlled on the basis of the sync adjustment information. The output frequency of the VCO 23 is used as a clock signal of the reproduction signals by a signal processing unit 27 at the post stage.